

HOMELAND

DELAWARE DEPARTMENT OF SAFETY AND HOMELAND SECURITY

AVIAN AND PANDEMIC FLU:

The Delaware Experience

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DELAWARE DEPARTMENT OF SAFETY AND HOMELAND SECURITY

SECURITY

AVIAN VS. PANDEMIC INFLUENZA

Avian Influenza: Current strain of H5N1 influenza virus primarily affecting migratory birds, domestic poultry, and humans who have direct contact with an infected animal.

Pandemic Influenza: Strain of highly pathogenic strain of H5N1 virus which has mutated to a form enabling its transmission from human to human.

AVIAN INFLUENZA

- ❑ Delaware's Poultry Industry Produces 240 Million Chickens a Year.
- ❑ On a Given Day, There are 110 Million Chickens on the Delmarva Peninsula.
- ❑ Poultry Industry in Delaware Represents nearly **70%** of Total Annual Farm Cash Receipts

AVIAN INFLUENZA

DELAWARE'S POULTRY INDUSTRY

Lead Agency
Dept. of Agriculture

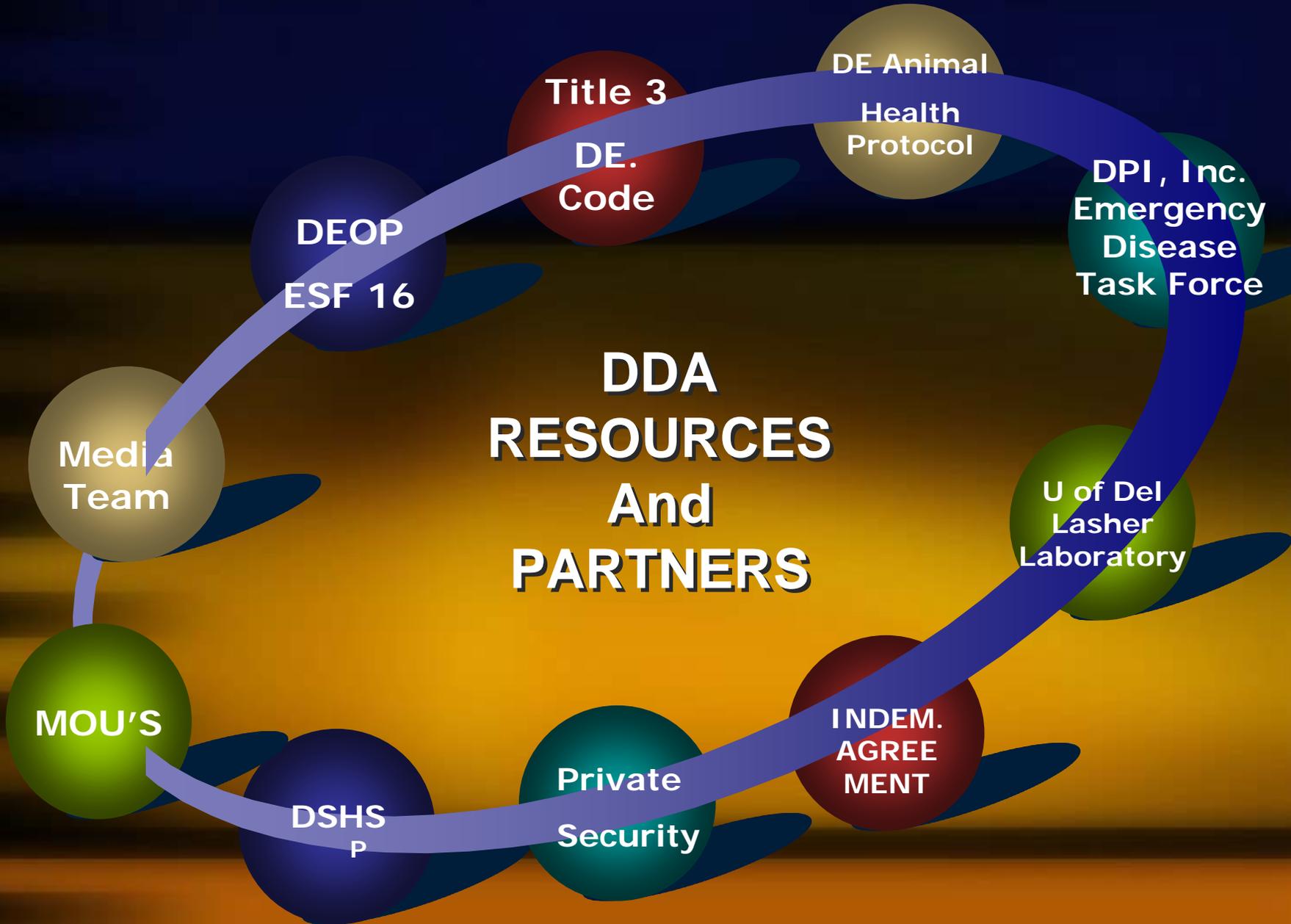
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Dept. of Agriculture] --> B[Coordination and Support:  
Department of Safety and  
Homeland Security &  
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AVIAN FLU OUTBREAK IN DELAWARE

- ❑ Avian Flu Outbreak Confirmed on an Independent Grower's Poultry Farm in Sussex County, Delaware on February 5, 2004.
- ❑ Second Outbreak on Another Commercial Poultry Farm in Delaware on February 9, 2004.

DDA RESOURCES And PARTNERS



LESSONS LEARNED

- ❑ Incident Command System Clearly Delineated.
- ❑ Lines of Communication Open and Clear
- ❑ Transparency with Public and Media
- ❑ Proclamations and Orders with Penalties Necessary to Enforce Bans and Restrictions.
- ❑ Real partnerships, along with cooperation and coordination, necessary for rapid and efficient response.
- ❑ Education and Outreach to Growers and Public
- ❑ “Depopulation Techniques”

Rates of Illness and Death Scenarios for Delaware:

How Much History Will Repeat?

Assumptions:

- 15% Attack Rate – 120,000 sick, 36,000 dead (30% Mortality)**
- 35% Attack Rate – 280,000 sick, 140,000 dead (50% Mortality)**
- 5% Attack Rate – 40,000 sick, 8,000 dead (20% Mortality)**

STATE OF DELAWARE

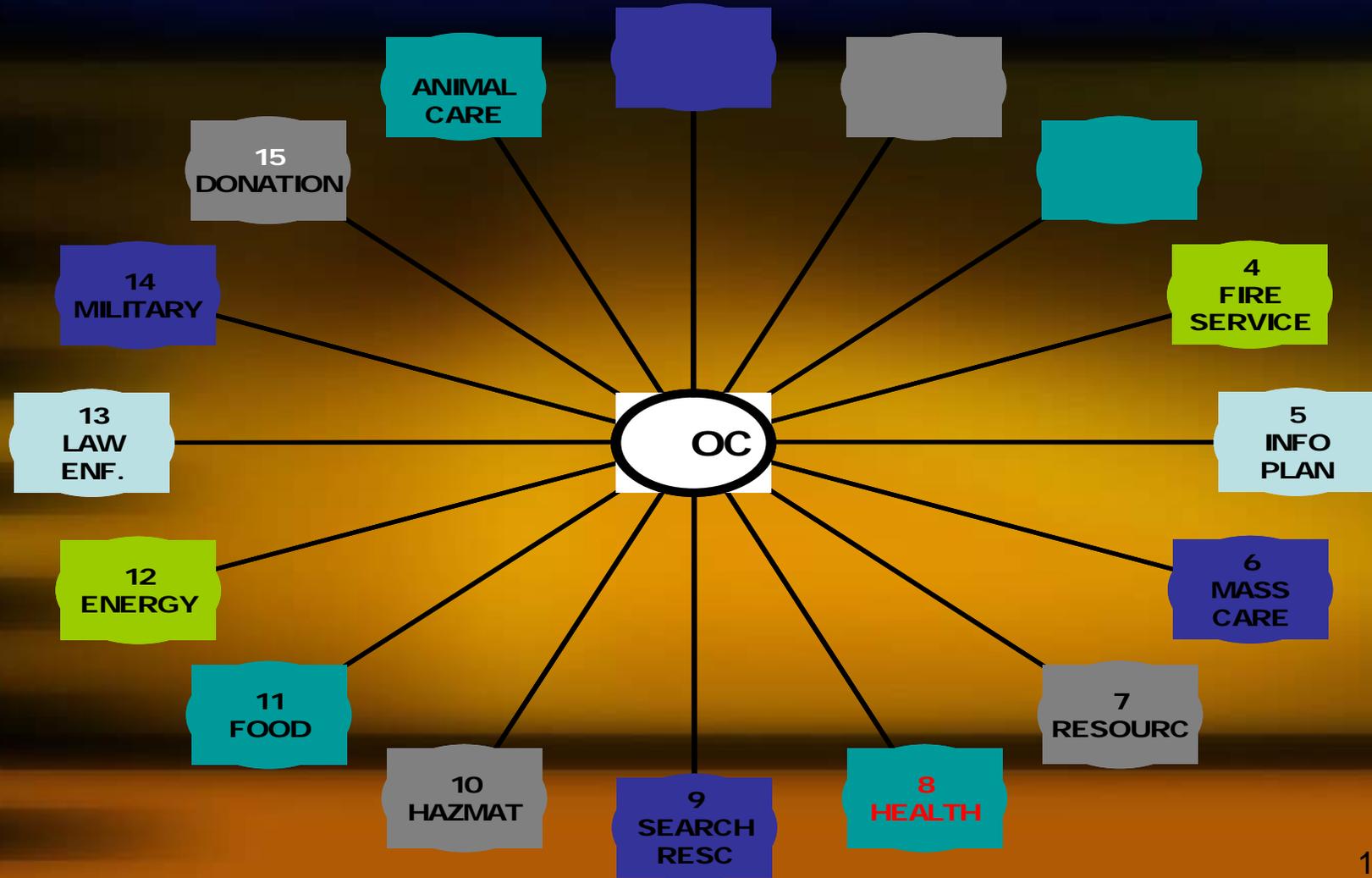
**“RESPONSE AND
RESPONSIBILITY”**

DELAWARE EMERGENCY OPERATIONS PLAN

Incorporates Key Organizational Systems:

- ❑ Incident Command System (ICS)
- ❑ Multi-Agency Coordination Systems
- ❑ Public Information Systems

Emergency Operations Center: Support Functions



Strong Coordinated Partnerships between Federal, State, and Local Representatives

- ❑ Dept. of Safety and Homeland Security
- ❑ Dept. of Health and Social Services
- ❑ Delaware Dept. of Transportation
- ❑ Dept. of Corrections
- ❑ Div. of Public Health
- ❑ DEMA
- ❑ DSP
- ❑ Volunteer Fire Services
- ❑ Emergency Management (State and Local)
- ❑ Local Law Enforcement
- ❑ Hospitals/Nursing Homes
- ❑ Funeral Homes
- ❑ Private Businesses
- ❑ Delaware SPCA
- ❑ Delaware National Guard
- ❑ Dover Air Force Base

RESOURCES

- ❑ Memoranda of Understanding on Federal, State and Local Levels
- ❑ Emergency Management Assistance Compact
- ❑ Intrastate Mutual Aid Compact
- ❑ Emergency Health Powers Act
- ❑ Delaware Information Analysis Center (DIAC)
- ❑ Joint Information Center (JIC)
- ❑ 800 MHz
- ❑ Mobile Command Center
- ❑ Helicopter Transport

Governor Directs Pan Flu Planning Among Agencies

September 2005 – Governor Ruth Ann Minner directed these agencies:

- ❑ Department of Safety and Homeland Security,**
- ❑ Department of Agriculture and**
- ❑ Department of Health and Social Services**

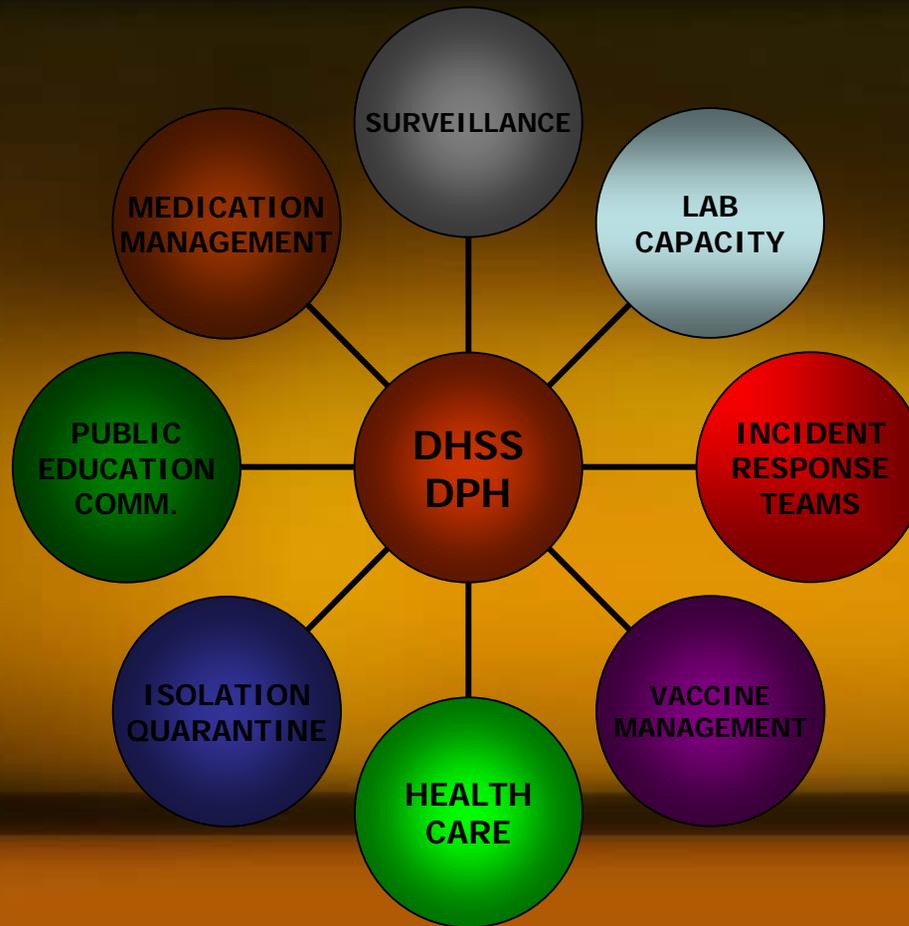
to establish a cabinet-level working group to plan for and monitor the threat of a pandemic in Delaware.

Result:

Delaware Pandemic Influenza Plan

- ❑ Comprehensive plan addressing a potential outbreak**
- ❑ Identifies response roles**
- ❑ Includes surveillance mechanisms to identify start of a pandemic, practices for limiting spread and treating citizens**
- ❑ Gov. Minner's '07 GRB proposes adding \$100,000 to the University of Delaware's avian flu research program & \$1.4 Million to stockpile antivirals**

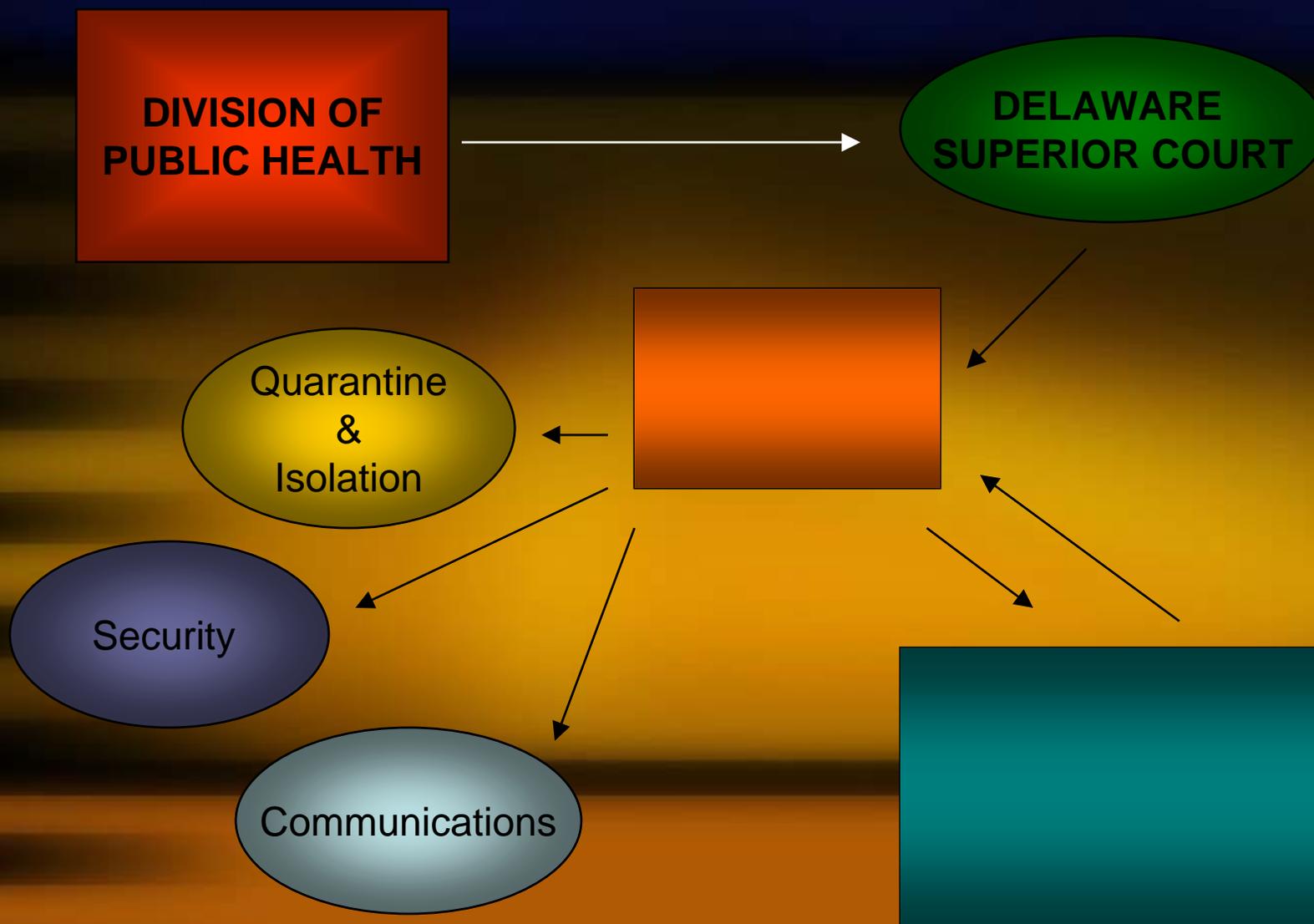
Inter-pandemic Preparation



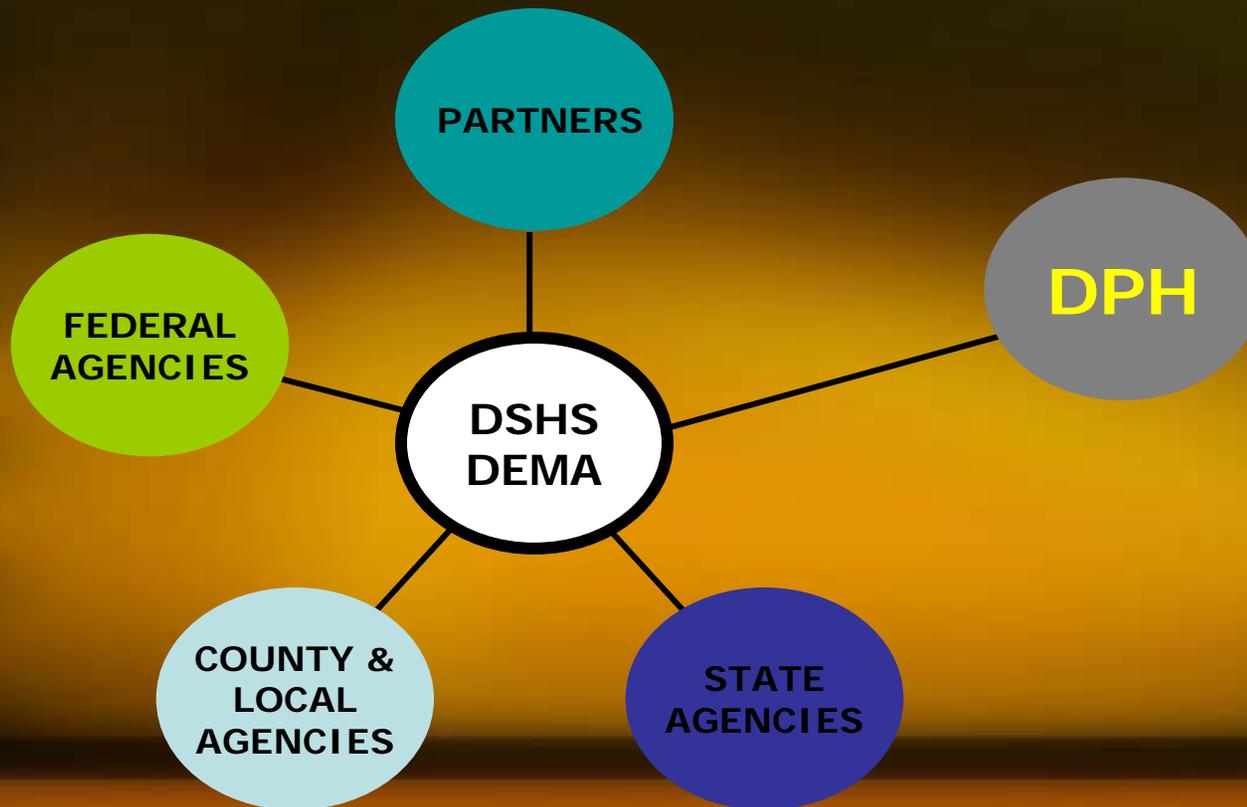
Inter-pandemic Coordination



PRE-STATE OF EMERGENCY



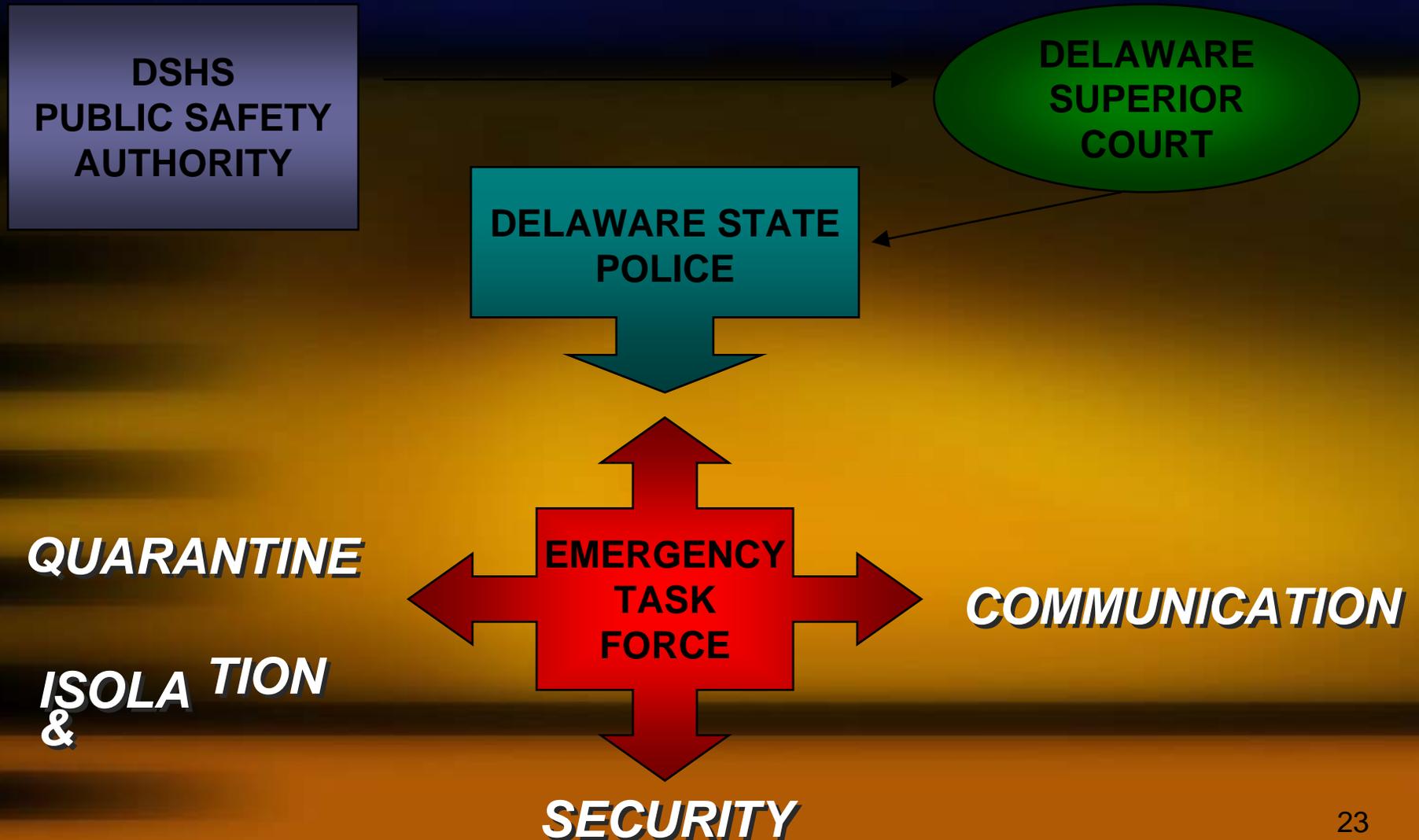
State of Emergency Declaration



STATE OF EMERGENCY



STATE OF EMERGENCY



Pandemic Influenza Goals: Saving Lives

- Slow spread, decrease illness and death, buy time
 - Antiviral treatment and isolation for people with illness
 - Quarantine for those exposed
 - Social distancing
 - Vaccine when available
 - Local decisions



Pandemic Influenza Goals: Communicating Clearly

- ❑ **Prepare people with information**
- ❑ **Encourage action steps to prepare now**
- ❑ **Provide updates when new information emerges**
- ❑ **Use trusted messengers**
- ❑ **Coordinate to ensure consistent messages**
- ❑ **Address rumors and inaccuracies**
- ❑ **Maintain transparency with media and public**

RISS/ATIX

- Regional Information Sharing System

- Six Regions in U.S.

- Automated Trusted Information Exchange
 - 13 Sectors: Dave Lewis, BJA Coordinator
- Delaware has over 100 private sector partners

References

- ❑ The International Association of Chief's of Police:
www.thepolicechiefmagazine.org
- ❑ *2003 SARS Outbreak: The Response Of The Toronto Police Service*, Chief Julian Fantino, Ret.
April, 2005
- ❑ *The Pandemic Influenza Plan: Implications For Local Law Enforcement*, Lee Colwell, FBI Ret.
January, 2006

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- ❑ *Quarantines: The Law Enforcement Role*, Charles Friend, February 2006
- ❑ *Pandemic INFLUENZA and Bird FLU: The State of Delaware State and Local Law Enforcement Preparedness*, David Mitchell, J.D. and Elizabeth Olsen, Esq. February, 2006

Delaware “FLU” Plans

- ❑ Delaware Health & Social Services
“Confused About Flu” Online Resource
<http://www.dhss.delaware.gov/dhss/dph/confusedaboutflu.html>
- ❑ Flu, Avian Flu, Pandemic Flu and useful information guides
- ❑ Delaware Pandemic Influenza Plan

QUESTIONS?



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Red Cell Report

14 February 2006

(U) Three Potential Scenarios for Weaponizing Avian Influenza

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